DOCUMENT RESUME

ED 301 414 SE 050 120

AUTHOR Goodstein, Madeline P.
TITLE Sci-Math: Applications in Proportional Problem Solving. Module Two Teacher's Guide.
SPONS AGENCY National Science Foundation, Washington, D.C.
REPORT NO ISBN-0-201-20075-9
PUB DATE 83
GRANT NSF-SED77-18444
NOTE 94p.; For student text, see SE 050 119; for module 1, see SE 050 117-118.
AVAILABLE FROM Addison-Wesley Publishing Company, 2725 Sand Hill Road, Menlo Park, CA 94025 ($9.12, #20075).
PUB TYPE Guides - Classroom Use - Guides (For Teachers) (052)

EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS *Algebra; Fused Curriculum; Integrated Activities; *Integrated Curriculum; Mathematical Applications; Mathematics Curriculum; Mathematics Education; *Mathematics Instruction; *Problem Solving; Science Curriculum; Science Education; Science Instruction; Secondary Education; *Secondary School Mathematics; *Secondary School Science
IDENTIFIERS Mathematical Thinking

ABSTRACT

Sci-Math is an interdisciplinary curriculum intended to help students develop the math skills needed for science, especially dimensional analysis, ratio, and the concept of proportion. Sci-Math is divided into two modules with each module having a student and teacher's guide. Module one is a pre-algebra module dealing with the arithmetic and logic of proportions while module two is an algebra module that examines the symbolic equations and graphing of proportions. Both modules can be integrated into a one-year course in physical science or used selectively in a chemistry course with students of poor math skills. The teacher's guide for module two contains answers to commonly asked questions on the articulation of Sci-Math into the curriculum. Performance objectives, answers to the problems, and teaching suggestions are given for each concept. A suggested format for student constructed report sheets is included. (ML)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****